

DDI- 463383

29 June 1983

MEMORANDUM FOR: Deputy Director for Intelligence

VIA: Director of Security
Comptroller
Director, Office of Current Production
and Analytic Support, DDI

FROM:

Chief, Cartography and Design Group, OCPAS/DDI

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SUBJECT: *7* Coordination of Digital Cartographic Activities*Ref: OMB Memo M-83-12 dtd 4/9/83*

1. I attended the initial organizational meeting for the Coordination of Digital Cartographic Activities in the Federal Government at the National Mapping Division, U.S. Geological Survey (U.S.G.S), on 27 May 1983. Approximately 65 Federal Government Departments and Agencies with an interest in digital cartography were represented at the meeting. The chief representative from each organization was given an opportunity to make a brief statement focusing on four areas:

- a. The digital cartographic activities of their organization.
- b. What they expected the Federal Inter-Agency Coordinating Committee (FICC) to accomplish.
- c. Their thoughts as to how many of the 65 Agencies should be represented on the Steering Committee.
- d. Identifying those sub-committees/work groups in which their organization's representatives would have an interest.

2. Almost all of the representatives supported the OMB proposal to coordinate digital cartographic activities. They expressed overwhelming support for the establishment of a common digital data exchange format to expedite the exchange of data between organizations. They also agreed on the following organizational matters:

- a. Membership on the overall Inter-Agency Steering Committee be limited to Department-level representatives.

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- b. Membership on the sub-committee/working groups would be open to all representatives interested in the subject.
- c. Establishment of five working groups; Technology Exchange, Requirements, Standards, User Applications and Reports.
- d. That a system be established to keep organizations informed of working group activities that are of interest to them without having a permanent representative on the group; however, they could have a representative make ad hoc appearances at group meetings

3. Most of the work of these committees will involve domestic digital activities of limited interest to the Agency. We should, however, be kept fully informed of the work of all committees especially Technology Exchange and User Applications.

4. Each Agency is required to fill out an Agency Information Form and return it to U.S.G.S. by 15 July 1983 (see attached form and draft of proposed Agency response).



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Attachments:

- A. Form
- B. Response to Questions on Form

SUBJECT: Coordination of Digital Cartographic Activities

CONCUR: (Attachment B Response)

[Redacted Signature]

Comptroller

6 JUL 1983

Date

STAT

[Redacted Signature]

11 JUL 1983

Date

STAT

~~Director of Security~~

APPROVED: (Attachment B Response)

[Redacted Signature]

Deputy Director for Intelligence

12 JUN 1983

Date

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DDI/OCPAS/CDG:

[Redacted Signature]

(29 June 1983)

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Attachment A

Federal Digital Cartography Coordination

Agency Information Form
May 27, 1983

The following information should be provided by July 15 by each agency as a basis for preparing the first report to OMB. Responses to each question should be brief (total response 2-4 pages) but provide an accurate picture of agency activities.

Number of personnel involved in digital cartographic activities -

Dollars expended/planned: FY82 - FY83 - FY84 -

Number and location of operating sites -

Brief descriptions of current hardware/software systems -

Description of current activities (include types of data used and/or produced) -

Description of FY84 planned activities (include types of data used and/or produced) -

Description of FY85 planned activities (include types of data used and/or produced) -

Existing interagency agreements -

Program authority/mandates -

Responder's name and address:

Agency representative (if different):

Return by July 15 to: Larry L. Amos
U.S. Geological Survey
512 National Center
Reston, VA 22092

Attachment B

SUBJECT: Response to Questions for Federal Digital Cartography
Coordination Group

1. Number of personnel involved in digital cartographic activities - .
2. Dollars expended/planned: FY82---NA; FY83---NA; FY84---NA.
3. Number and location of operating sites - one site in CIA Headquarters Bldg.
4. Brief descriptions of current hardware/software systems -

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Hardware

All systems interface through IBM VM system.

Interactive System: An Intergraph system consisting of: VAX-780, two color workstations, one B/W workstation, three 36" x 48" digitizing tables, two control consoles, a 675 MB disk, and a tape drive (nine track, 1600 BPI). The system is presently linked to the IBM host through the VAX.

Plotters:

A. An Image Graphics Inc. CRT head plotter system consisting of: Gerber 1232 table with CRT photo head, PDP 11-34A computer, three disk drives, two tape drives, an HP 7580A plotter, a controlling console, and a quick-look CRT scope. Data can be sent to this system, put on tape, and transferred to the Gerber plotters.

B. Gerber Flatbed - 1232 table with photo head

C. Gerber Drum - standard 34" plotter

Software

CAM - The Cartographic Automatic Mapping (CAM) Program is the output portion of AUTOMAP, an automatic mapping system developed by the Central Intelligence Agency (CIA). CAM is an IBM System/360 Fortran H or G and Assembly Language Code (five sub-routines) program which performs a variety of cartographic functions. The program can plot these functions on any of eighteen map projections and is set up to generate plot commands

for Calcomp 1136, Gould electrostatic, Versatec electrostatic, Gerber drum and Gerber flatbed plotters. The structure of the program is modular so that additional map projects, sub-routines to read line or symbol data in various formats, sub-routines for other features and different plotter software can be added. The system operates under the IBM System/360 and 370 Operating Systems and utilizes approximately 512k bytes of core storage.

Intergraph - We have the following programs on our system:

Elastic Body - supports merging of multiple map segments with systematic and random errors minimized.

Graphic Polygon Processing Utilities - provides for the complex graphic selections and manipulation of area thematic data.

World Mapping System - provides the capability to resolve various map projections system coordinates to lat./long. coordinates and reverse.

Data Management and Retrieval System - an extensive data base management system.

Bulk Input Text System - allows for the input of alphanumeric data to a graphic file.

Business Graphics - allows the creation of charts, graphs, etc.

5. Description of current activities (include types of data used and/or produced) - Cartography and Design Group produces small scale thematic maps for publications, briefings, etc., using planimetric data from WDBII and other sources.

6. Description of FY84 and FY85 activities - We are planning the procurement of a raster digitizer system and the enhancement of WDBII by adding selected cartographic data.

7. Existing inter-agency agreements - None.

8. Program authority/mandates - Director, CIA.

9. Responder's name and address:

Central Intelligence Agency
Washington, DC 20505

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10. NA

• Danny from Betsy

Some background on this caper. The group was formed after Stockman (OMB fame) issued a y'all come memo to heads of all the Agencies in hopes of getting some coordination (and presumably budget savings). The Natural Resources Division of OMB was the driving force. [] received the original Stockman gram (dated 4 April), passed it to me to see if DDI was interested, I passed to Brent etc etc. Bottom line, they obviously were.

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I have talked with [] who wrote the enclosed memo. He says CIA is there largely to observe and make sure we get copies of any cartographic data bases etc. that other US Agencies may have. He said Norman E Hartness and Margaret Carpenter represented OMB's interests at the meeting but that the whole operation has been turned over ~~xxx~~ to the US Geological Survey to operate/coordinate/ and otherwise carry the ball for. [] knows that budget information is classified (the attached report leaves those questions blank) and he has no intention of providing anything more if asked. He doesn't anticipate anyone asking however. As noted in the memo, the information on the cartographic hardware/systems we use is not classified and has been provided before to Commerce. [] says it tells you very little to know the model numbers etc.

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All this being said, it seems harmless to me. [] is somewhat concerned that because it came from OMB we should get Olin in on it. I'm not sure this fits that mold, but I leave that to you.

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